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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/720,235	12/20/2000	Akito Nishimura	14998-255	1247

7590

09/09/2005

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EXAMINER

NASRI, JAVAID H

ART UNIT

PAPER NUMBER

2839

DATE MAILED: 09/09/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

09/720,235

Applicant(s)

NISHIMURA ET AL.

Examiner

Javaid Nasri

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 12 August 2005.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-10, 12, 13 and 15-24 is/are pending in the application.
- 4a) Of the above claim(s) 15-24 is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-10, 12 and 13 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 20 December 2000 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some * c) ☐ None of:
- ☐ Certified copies of the priority documents have been received.
 - ☐ Certified copies of the priority documents have been received in Application No. _____.
 - ☒ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413) |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | Paper No(s)/Mail Date. _____ |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| Paper No(s)/Mail Date <u>8/12/05, 3/31/05</u> | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

Allowable Subject Matter

1. The indicated allowability of claims is withdrawn in view of the newly discovered reference(s). Rejections based on the newly cited reference(s) follow.

Final Rejection

2. The final rejection mailed on 5/19/2003 is withdrawn in view of newly discovered reference. The new rejection is as follows.

Claim Rejections - 35 USC § 102

3. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

4. Claims 1-10, 12 and 13 are rejected under 35 U.S.C. 102(b) as being anticipated by JP 56 74212 (cited in IDS).

JP 56 74212 discloses, **for claim 1**, a ferrule body; wherein a concave portion (see figure 2) in which a gate (414) for resin molding is disposed is formed in said ferrule body, and a depth of said concave portion is deeper than a height of a flash which is formed in said concave portion as a result of said resin molding (see figure 2), **for claim 12**, a concave portion (see figure 2) is formed for confirming confirmation factor such as a material of said ferrule body or sorts of

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optical fiber held in said ferrule body; and said concave portion is formed in a flange portion of said ferrule body, and a gate (414) for resin molding is disposed in said concave portion, **for claim 13**, the concave portion is formed at a portion other than a flange portion of the ferrule body, **for claim 2**, an optical fiber insertion opening portion for inserting an optical fiber, an optical fiber insertion hole for inserting an end of said optical fiber which is inserted in said optical fiber insertion opening portion, and a guide pin hole for inserting a guide pin for guiding said ferrule body to a proper position, are formed in said ferrule body so as to position said optical fiber insertion hole in a tip end portion thereof, **for claim 3**, a flange portion protruding from an external periphery surface of said ferrule body to an outside is provided in a rear end portion of said ferrule body opposite to said tip end portion, and said concave portion is formed in an external surface of said flange portion, **for claim 4**, the flange portion has a rectangular shape when viewed from said rear end portion, and said concave portion is formed in at least one of right and left side surfaces of the external periphery surface of said flange portion, **for claim 5**, the concave portion is formed so as to extend from said side surface to a rear end corner of said rear end portion, **for claim 6**, a linear dimension of the flange portion obtained by excluding the concave portion is set to 0.3 mm or more, **for claim 7**, the concave portion is formed between both corner portions of said side surface which extend along an insertion direction of said optical fiber, **for claim 8**, the concave portion is formed in a groove shape extending over a whole length of said flange portion along an insertion direction of said optical fiber, **for claim 9**, the flange portion has a rectangular shape when viewed from said rear end portion, and said concave portion is formed in at least one of upper and lower side surfaces of the external periphery surface of said flange portion, **for claim 10**, the concave portion is formed in a groove

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shape extending over a whole length of said flange portion along an insertion direction of said optical fiber.

5. Claims 1-10, 12 and 13 are rejected under 35 U.S.C. 102(b) as being anticipated by JP 61 137109 (cited in IDS).

JP 61 137109 discloses, **for claim 1**, a ferrule body; wherein a concave portion (see figures 1 and 2) in which a gate (13) for resin molding is disposed is formed in said ferrule body, and a depth of said concave portion is deeper than a height of a flash which is formed in said concave portion as a result of said resin molding (see figures 1 and 2), **for claim 12**, a concave portion (see figures 1 and 2) is formed for confirming confirmation factor such as a material of said ferrule body or sorts of optical fiber held in said ferrule body; and said concave portion is formed in a flange portion of said ferrule body, and a gate (13) for resin molding is disposed in said concave portion, **for claim 13**, the concave portion is formed at a portion other than a flange portion of the ferrule body, **for claim 2**, an optical fiber insertion opening portion for inserting an optical fiber, an optical fiber insertion hole for inserting an end of said optical fiber which is inserted in said optical fiber insertion opening portion, and a guide pin hole for inserting a guide pin for guiding said ferrule body to a proper position, are formed in said ferrule body so as to position said optical fiber insertion hole in a tip end portion thereof, **for claim 3**, a flange portion protruding from an external periphery surface of said ferrule body to an outside is provided in a rear end portion of said ferrule body opposite to said tip end portion, and said concave portion is formed in an external surface of said flange portion, **for claim 4**, the flange portion has a rectangular shape when viewed from said rear end portion, and said concave portion is formed in at least one of right and left side surfaces of the external periphery surface of said flange portion,

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for claim 5, the concave portion is formed so as to extend from said side surface to a rear end corner of said rear end portion, **for claim 6**, a linear dimension of the flange portion obtained by excluding the concave portion is set to 0.3 mm or more, **for claim 7**, the concave portion is formed between both corner portions of said side surface which extend along an insertion direction of said optical fiber, **for claim 8**, the concave portion is formed in a groove shape extending over a whole length of said flange portion along an insertion direction of said optical fiber, **for claim 9**, the flange portion has a rectangular shape when viewed from said rear end portion, and said concave portion is formed in at least one of upper and lower side surfaces of the external periphery surface of said flange portion, **for claim 10**, the concave portion is formed in a groove shape extending over a whole length of said flange portion along an insertion direction of said optical fiber.

Restriction

6. Claims 15-24 are withdrawn from further consideration.

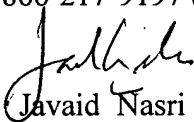
Contact

7. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Javaid Nasri whose telephone number is 571 272 2095. The examiner can normally be reached on Monday to Friday.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Tulsidas C. Patel can be reached on 571 272 2800 ext 39. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).


Javaid Nasri
Primary Examiner
Art Unit 2839

JN

Jhn

September 6, 2005